



NITFS Compliance Registration



Product: Meteorological Data Station AN/UMQ-13 (Mark IVB) Release Date: 02 April 2005

Expiration: 01 April 2007

Sponsor: Space and Missile Systems Center (SMC) Detachment 11/WX1 Registration #: 3010

Developer: Lockheed Martin Corporation/Integrated Systems and Solutions

- Initial Registration
- Supplemental/Update #
- Derived from Reg. #

Complexity Level						
NITF 2.1 CLEVEL		3	5	6	7	
Interpret						
Generate						
NITF 2.0 CLEVEL		1	2	3	4	5
Interpret						
Generate						

Configurations Tested:

- 2.8 GHz Intel Pentium, Windows XP

** NITF 2.0 feature

* NITF 2.1 feature

System
N-0105/98, §4.1.1

Product
N-0105/98, §4.1.2

Component
N-0105/98, §4.1.3

NITFS Features Implemented:

Format

- NITF
- V2.1
- V2.0
- V1.1

NSIF

- V1.0

Image Segment Types

- MONO
- RGB
- RGB/LUT
- YCbCr
- MULTI
- NODISPLY
- POLAR

Data Extension Segments

- TRE_OVERFLOW
- STREAMING_FILE_HEADER
- Controlled Extensions **
- Registered Extensions **

Tagged Record Extensions

- DIGEST GeoSDE

Pixel Value Types

- Boolean
- Integer
- Signed Integer *
- IEEE Real *
- IEEE Complex *

Image Compression

- Not Compressed
- JPEG Lossy, 8-bit
- JPEG Lossy, 12-bit
- JPEG Downsample
- JPEG Lossless
- JPEG 2000
- Bi-Level
- Vector Quantization
- Multispectral JPEG, Individual Band

Annotation Segment Types

- Bit Mapped **
- CGM, 2301
- CGM, 2301A
- Labels **

Text Segments

- STA
- UT1
- U8S
- MTF

Legend
Interpret
Generate
 Fully implemented
 Partially implemented
 Not implemented

Registration does not guarantee that a product will meet all users' requirements.

Potential users should evaluate the detailed test results to determine the suitability of

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program